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Synthetic Industrial EP Gear Oils

Venom® Synthetic Industrial Gear Oils ISO 68 through 460 have excellent oxidation and thermal stability. Along with their oxidation and thermal stability, synthetic oils show a marked improvement in low temperature pumpability over conventional oils. **Venom®** Synthetic EP Gear Oils are non-corrosive to gear and bearing materials such as steel, copper, bronze, Babbitt, and cadmium-nickel; these oils provide superior foam resistance and water separation. The low pour points of the lower viscosity grades make them suitable for gears and bearings exposed to winter weather.

Venom® Synthetic Gear Oils excel in the lubrication of heavily loaded enclosed gear drives and reducers on drives of all sizes. **Venom®** Synthetic Gear Oils lubricate a variety of gears including spur, bevel, herringbone, and worm designs. They are also suitable for industrial hypoid type gears where speed, temperature, and load are not excessive. **Venom®** Synthetic Gear Oils can be used with bath, splash, circulating, and spray-type lubrication systems. **Venom®** Synthetic Gear Oils are ideal for applications such as steel mills where gear cases are often near red-hot steel; and use in circulating systems where water contamination is a hazard. **Venom®** Synthetic EP Gear Oils are suitable for a wide variety of industrial and mobile equipment, gear systems, chain drives, sprockets, plain and anti-friction bearings, slide guides, flexible couplings, etc. **Venom®** Synthetic Gear Oils are recommended for use in transmission gear cases and worm drive axles on mobile contractor type equipment and open pit and underground mining machinery when a synthetic GL-2 type gear oil is recommended.

Venom® Synthetic Gear Oils meet the performance requirements of extreme pressure lubricants of the American Gear Manufacturer's Association (AGMA) Specification 9005-D94. They also meet US Steel specification 224 requirements, and Joy TO-SMEP (ISO 220), TO-SHEP (ISO 320), TO-SHDEP (ISO 460).

Venom® Synthetic Gear Oils are not recommended for the lubrication of automotive hypoid gears, for which GL-5 Multipurpose Gear Oils are recommended.

Typical Properties:

Product: Venom® Synthetic Industrial EP Gear Oils						
Product Code	1454	1455	1456	1457	1458	1459
ISO Viscosity Grade	68	100	150	220	320	460
Kinematic Viscosity @40 °C, cSt (ASTM D-445)	65.8	100.3	150.8	223.0	319.6	464.5
Kinematic Viscosity @100 °C, cSt (ASTM D-445)	10.9	15.3	20.6	27.7	37.0	48.8
Viscosity Index (ASTM D-2270)	156	152	159	165	165	165